

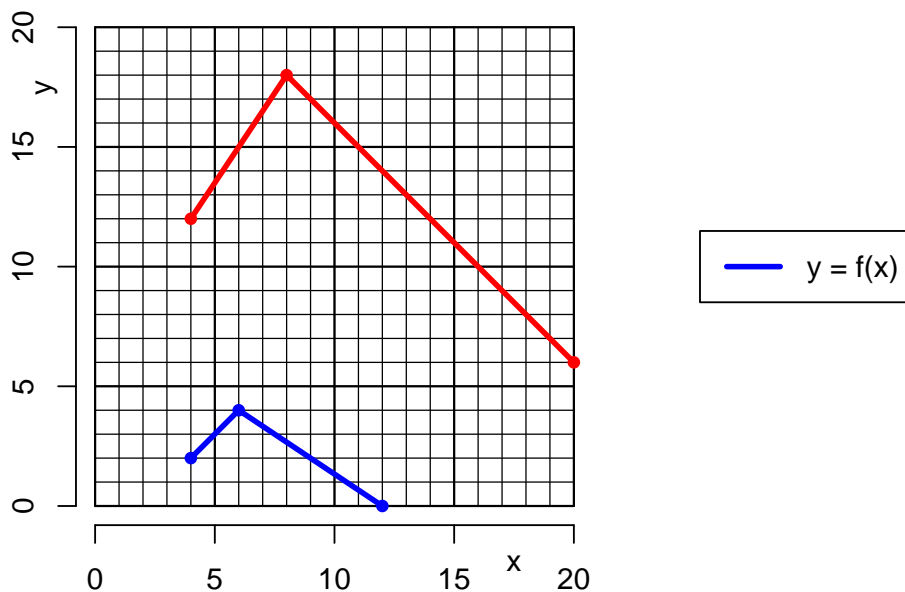
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 27)

### Question 1

Curve  $y = f(x)$  contains points  $(4, 2)$  and  $(6, 4)$  and  $(12, 0)$ , as shown on the  $x$ - $y$  plane below.

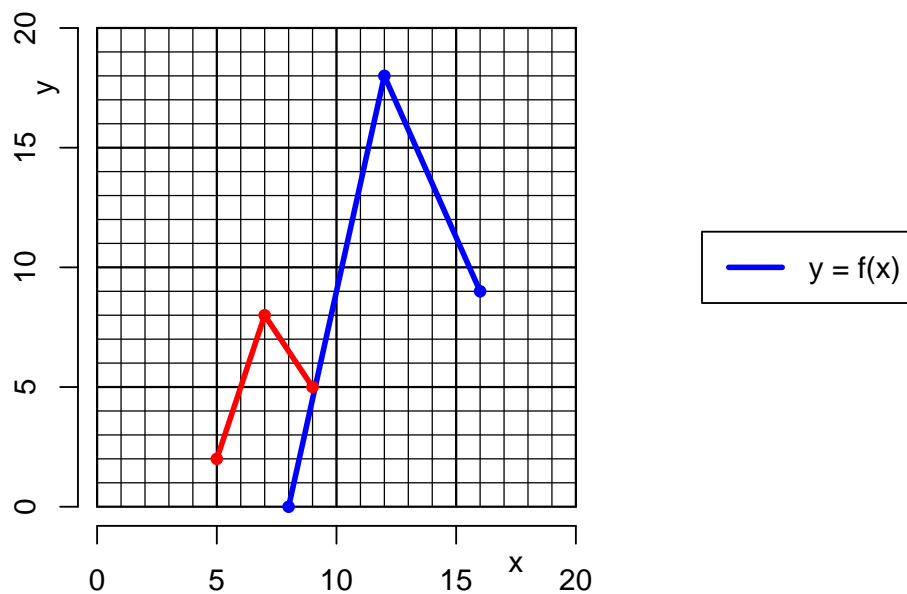


On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x+4}{2}\right] + 6$$

## Question 2

Curve  $y = f(x)$  contains points  $(8, 0)$  and  $(12, 18)$  and  $(16, 9)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[2x - 2] + 6}{3}$$